

Hydrophobic Ionic Liquids

Ionic liquids, novel, salt-like materials with melting points below 100 °C, have gained much attention in recent years. This fascinating class of materials offers many benefits, including:

- Negligible vapor pressure
- Tuneable solvent properties
- Nonflammability
- High ionic conductivity
- High thermal stability

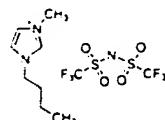
Sigma-Aldrich offers, in collaboration with Covalent Associates, Inc., a set of extremely hydrophobic and thermally and hydrolytically stable ionic liquids.

1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥98% (NMR)

[174899-83-3]

C₁₁H₁₈F₃N₂O₂S₂
FW 419.35

77896-1G-F
77896-5G-F



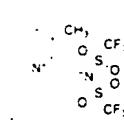
1 g \$79.70
5 g 347.50

1-Butyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (NMR)

[344790-86-9]

C₁₁H₁₈F₃N₂O₂S₂
FW 430.39

14654-1G-F
14654-5G-F



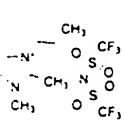
1 g \$100.50
5 g 402.50

1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (NMR)

[169051-76-7]

C₁₁H₂₀F₃N₂O₂S₂
FW 419.36

50807-1G-F
50807-5G-F



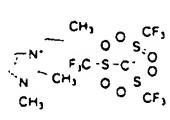
1 g \$154.50
5 g 618.00

1,2-Dimethyl-3-propylimidazolium tris(trifluoromethylsulfonyl)methide, purum, ≥97% (NMR)

[169051-77-8]

C₁₁H₂₀F₆N₂O₃S₃
FW 550.44

74305-1G-F
74305-2.5G-F



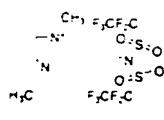
1 g \$187.00
2.5 g 402.50

1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide, purum, ≥97% (NMR)

[216299-76-2]

C₉H₁₆F₆N₂O₂S₂
FW 491.33

39056-1G-F
39056-5G-F



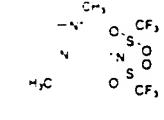
1 g \$211.00
5 g 843.00

1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (HPLC)

[174899-82-2]

C₉H₁₆F₃N₂O₂S₂
FW 391.31

11291-1G-F
11291-5G-F



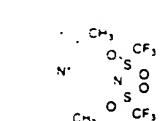
1 g \$148.60
5 g 605.20

3-Methyl-1-propylpyridinium bis(trifluoromethylsulfonyl)imide, purum

[817575-06-7]

C₁₁H₂₀F₃N₂O₂S₂
FW 416.36

30565-1G-F
30565-5G-F



1 g \$100.50
5 g 402.50

References

(1) Koch, V. R. et al. *J. Electrochem. Soc.* 1995, 142, L116.

(2) McEwen, A. B. et al. *J. Electrochem. Soc.* 1999, 146, 1687.

(3) Ngo, H. L. et al. *Thermochim. Acta* 2000, 357-358, 97.

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Products protected by U.S. Patent 5,827,602 assigned to Covalent Associates, Inc. USA

